

JUNOScope 6.4 Software Release Notes

Release 6.4R4
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These release notes accompany Release 6.4R4 of the JUNOScope software. They describe the key features, documentation, and known problems with the software. The JUNOScope software is a network management application that provides router configuration management, inventory management, operational status, and troubleshooting tools for Juniper Networks M-series and T-series routers.

You can also find these release notes on the Juniper Networks Technical Publications Web page, which is located at <http://www.juniper.net/techpubs/>.

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Release 6.4 Features

The following feature has been added to JUNOScope Release 6.4.

The Inventory Management System is a new tool kit that scans and displays the hardware components installed on one or more routing platforms (devices) and stores the inventory records in the JUNOScope database. Use the Scan Inventory command to scan inventory immediately or as part of an existing scheduled operation. Use the Generate Report command to display several predefined inventory report types, or you can define your own. Saved inventory reports can be viewed by all JUNOScope users. The Inventory Management System displays reports in Adobe Acrobat Reader or Microsoft Excel formats.

Current Software Release

The current JUNOScope software release is Release 6.4R4. For information about installing the software release, see “Installation, Reinstallation, Upgrade, and Downgrade Instructions” on page 3.

Outstanding Issues

This section lists outstanding issues with this release of the JUNOScope software. The identifier following the description is the tracking number in our bug database.

Online Help The Related Topics links in each help topic do not work. As a workaround, see the *JUNOScope Software User Guide*. [PR/36716]

Installation, Reinstallation, Upgrade, and Downgrade Instructions

To install the JUNOScope software, see “Install the JUNOScope Software” on page 3.

To reconfigure the JUNOScope software, see “Reconfigure the JUNOScope Software” on page 5

To reinstall or upgrade the JUNOScope software, see “Reinstall or Upgrade the JUNOScope Software” on page 5.

To downgrade the JUNOScope software, see “Downgrade the JUNOScope Software” on page 5

System Requirements

Before you install the JUNOScope software, ensure that the UNIX server workstation on which you install the software meets the system requirements shown in Table 1.

Table 1: JUNOScope Software System Requirements

System	Requirement
Workstation	UltraSPARC III or equivalent
Operating system	Solaris 5.8 or later
RAM	1 GB
Disk space	750 MB

On the client workstation, to connect to the JUNOScope server and use the JUNOScope software, you need Microsoft Internet Explorer 6 or Netscape Navigator 6 or later.

Install the JUNOScope Software

You can install the JUNOScope software in one of the following ways:

Install the JUNOScope Software from the CD-ROM on page 4

Download the JUNOScope Software from the Software Download Page on page 4

To upgrade the JUNOScope software, see “Reinstall or Upgrade the JUNOScope Software” on page 5.

For more information about installing the JUNOScope software, see the *JUNOScope Software User Guide*.

Install the JUNOScope Software from the CD-ROM

To install the JUNOScope software from the product CD-ROM, follow these steps:

1. Insert the JUNOScope software CD-ROM into the CD-ROM drive of the server workstation.
2. Mount the CD-ROM.

If the volume management (volmgmt) daemon, vold, is running on your server, the CD-ROM automatically mounts itself. To mount the CD-ROM manually, follow the procedure for your operating system.

3. Start the JUNOScope installation:

```
hostname% cdrom-mount-directory/jtk-installer install-directory
```

Replace *cdrom-mount-directory* with the directory on which the CD-ROM is mounted: /mnt, /cdrom, or /cdrom/JUNOScope, depending on your host setup.

Replace *install-directory* with the directory in which to install the JUNOScope software. If you do not specify an installation directory, the software is installed in the current directory.

For more information about installing the JUNOScope software, see the *JUNOScope Software User Guide*.

Download the JUNOScope Software from the Software Download Page

To download the JUNOScope software from the Juniper Networks Web site and start the JUNOScope installation, follow these steps:

1. Using a Web browser, go to the following location:

```
https://www.juniper.net/support/csc/swdist-encr/swdist-jtk/
```

2. Log in to the Juniper Networks authentication system using the username (generally your e-mail address) and password supplied by a Juniper Networks representative.
3. Download the JUNOScope software to the server workstation.
4. Start the JUNOScope installation program:

```
hostname% download-directory/jtk-install-6.4R4.X-sunos5-sparc.sh install-directory
```

Replace *download-directory* with the directory into which you downloaded the JUNOScope software from the software download page.

jtk-install-6.4R4.X-sunos5-sparc.sh is the JUNOScope software file. Replace *X* with the software version to download.

Replace *install-directory* with the directory in which to install the JUNOScope software. If you do not specify an installation directory, the software is installed in the current directory.

Reconfigure the JUNOScope Software

You can change the following JUNOScope software installation settings without rerunning the installation program. For more information about these settings, see the JUNOScope Software User Guide.

The HTTPS and HTTP ports on which the JUNOScope Webserver should listen

The port on which the JUNOScope server listens for control messages

The HTTP port on which the JUNOScope report server should listen

The Java Database Connectivity (JDBC) URL for accessing the JUNOScope database

Debug logging

Idle session timeout

You cannot change some settings such as passwords.

To change JUNOScope software settings, use the following command:

```
hostname% <install-directory>/jtk/bin/jtk-setup.sh
```

Reinstall or Upgrade the JUNOScope Software

The process for reinstalling or upgrading the JUNOScope software is the same as for installing the software. To install the JUNOScope software, see “Install the JUNOScope Software from the CD-ROM” on page 4 or “Download the JUNOScope Software from the Software Download Page” on page 4.

To reinstall or upgrade JUNOScope software, you must use the same user ID as the one you used for the currently installed software.

Downgrade the JUNOScope Software

You can uninstall the current version of the JUNOScope software and install an older version. The software features of the older version will apply, but the database contents, such as configurations and Inventory Management System scan data, will be lost.

To downgrade the JUNOScope software, you must use the same user ID as the one you used for the currently installed software.

To uninstall the JUNOScope software and install an older version, follow these steps:

1. Export all of the configurations stored in the CVS repository from the current version using Settings > Import/Export Data.
2. Uninstall the current JUNOScope software. (For more information about uninstalling JUNOScope, see the *JUNOScope Software User Guide*.)

3. Reinstall the older version of JUNOScope. See the installation instructions for the older version of JUNOScope.
4. Import all the configurations again using Settings > Import/Export Data.

Product and Related Documentation

Table 2 and Table 3 list the JUNOScope product documentation, as well as related software and hardware books for Juniper Networks routers, and describe the contents of each book.

Table 2: Juniper Networks Technical Documentation

Book	Description
JUNOS Internet Software Configuration Guides	
<i>Feature Guide</i>	Provides a detailed explanation and configuration examples for several of the most complex features in the JUNOS software.
<i>System Basics</i>	Provides an overview of the JUNOS software and describes how to install and upgrade the software. This manual also describes how to configure system management functions and how to configure the chassis, including user accounts, passwords, and redundancy.
<i>MPLS Applications</i>	Provides an overview of traffic engineering concepts and describes how to configure traffic engineering protocols.
<i>Multicast Protocols</i>	Provides an overview of multicast concepts and describes how to configure multicast routing protocols.
<i>Network Interfaces and Class of Service</i>	Provides an overview of the network interface and class-of-service functions of the JUNOS software and describes how to configure the network interfaces on the routing platform.
<i>Network Management</i>	Provides an overview of network management concepts and describes how to configure various network management features, such as SNMP and accounting options.
<i>Policy Framework</i>	Provides an overview of policy concepts and describes how to configure routing policy, firewall filters, forwarding options, and cflowd.
<i>Routing Protocols</i>	Provides an overview of routing concepts and describes how to configure routing, routing instances, and unicast routing protocols.
<i>Services Interfaces</i>	Provides an overview of the services interfaces functions of the JUNOS software and describes how to configure the services interfaces on the routing platform.
<i>VPNs</i>	Provides an overview and describes how to configure Layer 2 and Layer 3 virtual private networks (VPNs), virtual private LAN service (VPLS), and Layer 2 circuits. Provides configuration examples.
JUNOS Internet Software References	
<i>Network and Services Interfaces Command Reference</i>	Describes the JUNOS software operational mode commands you use to monitor and troubleshoot network and services interfaces on Juniper Networks M-series and T-series routing platforms.
<i>Protocols, Class of Service, and System Basics Command Reference</i>	Describes the JUNOS software operational mode commands you use to monitor and troubleshoot most aspects of Juniper Networks M-series and T-series routing platforms.
<i>System Log Messages Reference</i>	Describes how to access and interpret system log messages generated by JUNOS software modules and provides a reference page for each message.

Book	Description
JUNOScript API Documentation	
<i>JUNOScript API Guide</i>	Describes how to use the JUNOScript application programming interface (API) to monitor and configure Juniper Networks routing platforms.
<i>JUNOScript API Configuration Reference</i>	Provides a reference page for the configuration tags in the JUNOScript API.
<i>JUNOScript API Operational Reference</i>	Provides a reference page for the operational tags in the JUNOScript API.
JUNOS Internet Software Comprehensive Index and Glossary	
<i>Comprehensive Index and Glossary</i>	Provides a complete index of all JUNOS software books and the <i>JUNOScript API Guide</i> . Also provides a comprehensive glossary.
Hardware Documentation	
<i>Hardware Guide</i>	Describes how to install, maintain, and troubleshoot routing platforms and components. Each platform has its own hardware guide.
<i>PIC Guide</i>	Describes the routing platform Physical Interface Cards (PICs). Each platform has its own PIC guide.
JUNOScope Software	
<i>JUNOScope Software User Guide</i>	Describes the JUNOScope software graphical user interface (GUI), how to install and administer the software, and how to use the software to manage routing platform configuration files and monitor routing platform operations.
Release Notes	
<i>JUNOS Internet Software Release Notes</i>	Summarize new features and known problems for a particular software release, provide corrections and updates to published JUNOS and JUNOScript manuals, provide information that might have been omitted from the manuals, and describe upgrade and downgrade procedures.
<i>Hardware Release Notes</i>	Describe the available documentation for the routing platform and the supported PICs, and summarize known problems with the hardware and accompanying software. Each platform has its own release notes.
<i>JUNOScope Software Release Notes</i>	Contain corrections and updates to the published JUNOScope manual, provide information that might have been omitted from the manual, and describe upgrade and downgrade procedures.

Table 3: JUNOS Internet Software Network Operations Guides

Book	Description
JUNOS Internet Software for M-series and T-series Routing Platforms Network Operations Guides	
<i>Baseline</i>	Describes the most basic tasks for running a network using Juniper Networks products. Tasks include upgrading and reinstalling JUNOS software, gathering basic system management information, verifying your network topology, and searching log messages.
<i>Interfaces</i>	Describes tasks for monitoring interfaces. Tasks include using loopback testing and locating alarms.
<i>MPLS</i>	Describes tasks for configuring, monitoring, and troubleshooting an example MPLS network. Tasks include verifying the correct configuration of the MPLS and RSVP protocols, displaying the status and statistics of MPLS running on all routers in the network, and using the layered MPLS troubleshooting model to investigate problems with an MPLS network.
<i>Hardware</i>	Describes tasks for monitoring M-series and T-series routing platforms.

How To Request Support

For technical support, open a support case using the Case Management link at <http://www.juniper.net/support/> or call 1-888-314-JTAC (the United States, Canada, or Mexico) or 1-408-745-9500 (from elsewhere).

For documentation issues, fill out the bug report form located at <https://www.juniper.net/techpubs/docbug/docbugreport.html>.

Revision History

2 June 2005—Revision 4, JUNOScope Release 6.4R4.

3 February 2005—Revision 3, JUNOScope Release 6.4R3.

6 October 2004—Revision 2, JUNOScope Release 6.4R2.

29 July 2004—Revision 1, JUNOScope Release 6.4R1.

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